

ABSTRACT OF THE DISCLOSURE

Improved staple fibers and processes for producing them are provided. The processes are particularly useful for forming staple fibers from poly(trimethylene terephthalate), especially carpet staple fibers. The 5 processes include prewetting undrawn yarns and drawing the fibers under wet and warm conditions, thermo-fixing the texture, and drying at relatively low temperatures. Fibers produced according to the processes disclosed herein have improved properties and reduced brittleness as compared to fibers prepared using conventional processes.

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